BELKIN®

Belkin Enclosure
User Manual

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Product Description and Inventory

The Belkin Enclosure is an industrial-grade, high-performance enclosure for the IT and telecommunication industries. The Enclosure has full compliance with the 19" rack-mount hardware EIA 310-D industry standard. The Belkin Enclosure is designed for the optimal performance of applications with servers, voice, data, networking, internetworking, cable management, power distribution, and power protection equipment.

Belkin Enclosures

Part Number	RMU Height	Nominal Enclosure Height w/Casters	Nominal Enclosure Width	Description
RK1000	42	80.25"	24"	Enclosure with Sides
RK1001	42	80.25"	24"	Enclosure w/o Sides
RK1002	24	48.75"	24"	Enclosure with Sides

Side panels are available for those Enclosures ordered without sides.
Side panels are available in pairs with hardware included.

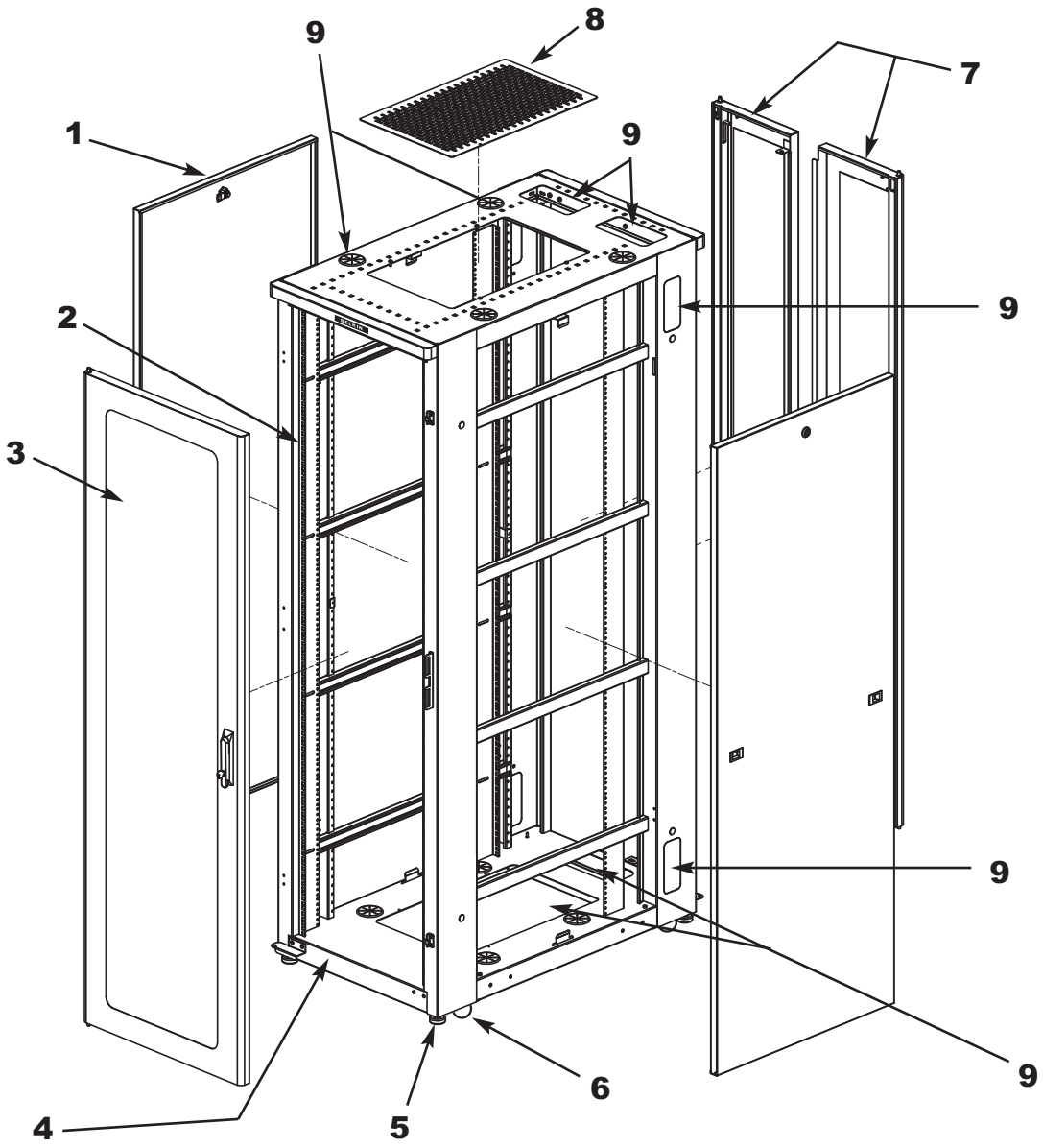
Part Number	Description
RK5009	Side Panels for 42U Enclosure

Your Enclosure comes with 50 Metric 6mm Black Screws with Cage Nuts. If you require more, please see part number below:

Part Number	Description
RK5034	Metric 6mm Black Screw with Cage Nuts (25)

Product Inventory

Features of the Enclosure



1 Side Panels with Locks
2 Vertical Rails (Adjustable)
3 Reversible Front Doors
4 Fully Welded Frame
5 Leveling Feet (Adjustable)
6 Casters
7 Split Rear Doors
8 Vented Top Panels
9 Cable Access

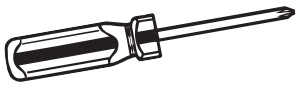
Before you Install

Instructions must be read completely before installation.

When this caution symbol appears in this User Manual, the information that accompanies it is critical to your safety and the prevention of damage to product.

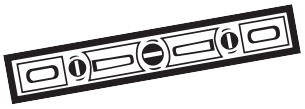
Before unpacking, please make sure you have the following tools:

Phillips Screwdriver

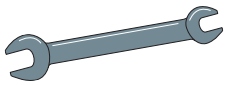


Utility Knife

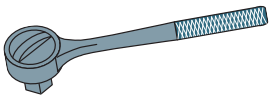
Level



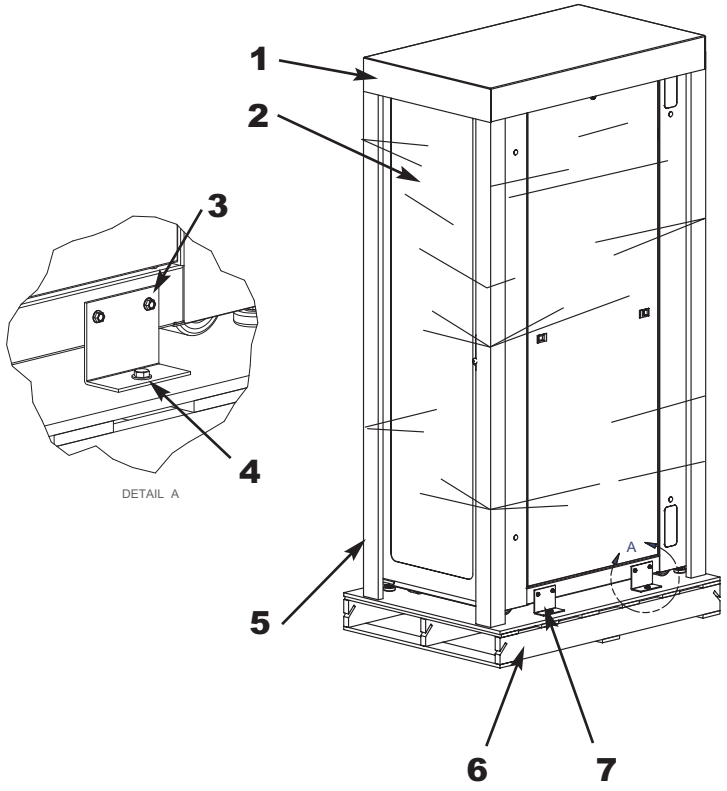
3/4" Open Ended Wrench



1/2", 3/8" and 7/16" Hex Sockets



Unpacking your Enclosure



1 Corrugated top
2 Stretch wrap
3 3/8" hex
4 1/2" hex
5 Corrugated corners
6 Shipping skid
7 Skid brackets

Unpacking Instructions

1. Removal of the stretch wrap. To prevent damage to the Enclosure, cut the stretch wrap at one of the corrugated corners using a utility knife.
2. Remove the corrugated top and corners.
3. Remove the skid brackets from the skid, using a 1/2" socket wrench. Remove the hex from the Enclosure by using the 3/8" socket wrench.
4. This step requires two or more people. With one person standing on each side of the Enclosure, slowly roll the Enclosure to the back of the skid. Proceed until all four casters contact the floor.
5. Verify that you have received all hardware and components with your Belkin Enclosure. Contact Belkin support if you feel items are missing.

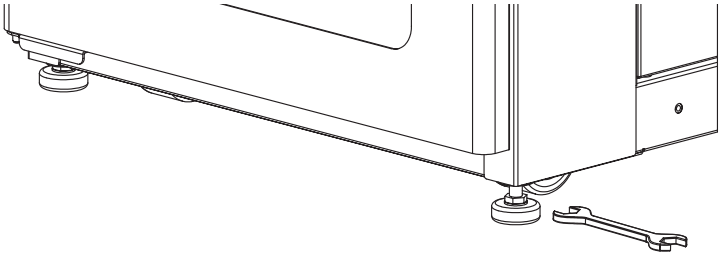
Mounting hardware and keys can be found in bag attached to one of the vertical mounting rails.

NOTE: Skid should be saved if you need to reship the Enclosure.
(Belkin is not responsible for damage caused by re-shipment of this Enclosure).
Please recycle shipping materials whenever possible.

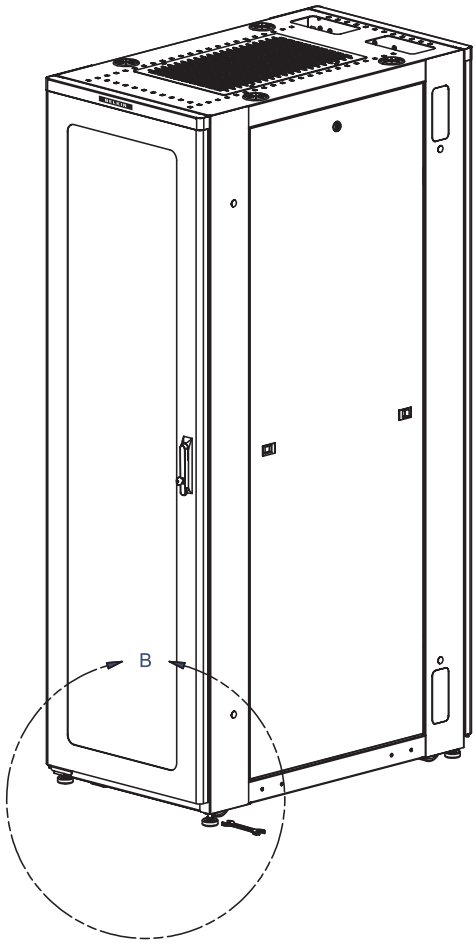
Installing your Belkin Enclosure

Leveling your Enclosure

1. Move your Enclosure to it's final location.
2. Once in place use your 3/4" wrench to lower the adjustable levelers so that the weight of the Enclosure is taken off of the casters.
3. Using a level and your wrench, adjust the levelers so that your Enclosure is level.



DETAIL B



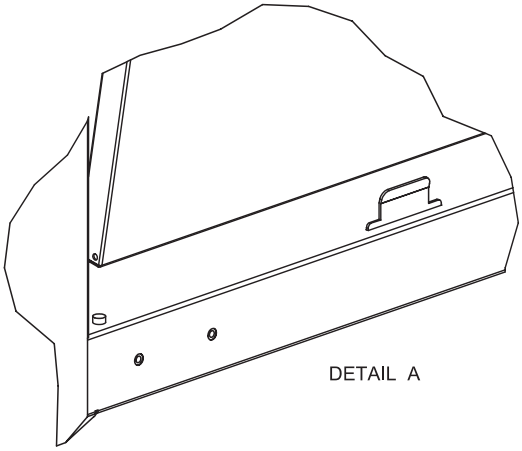
Removing your Casters and Levelers

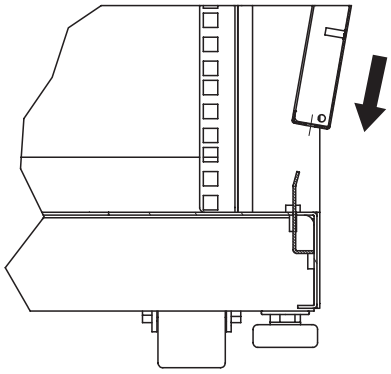
⚠ The following steps require two or more people.

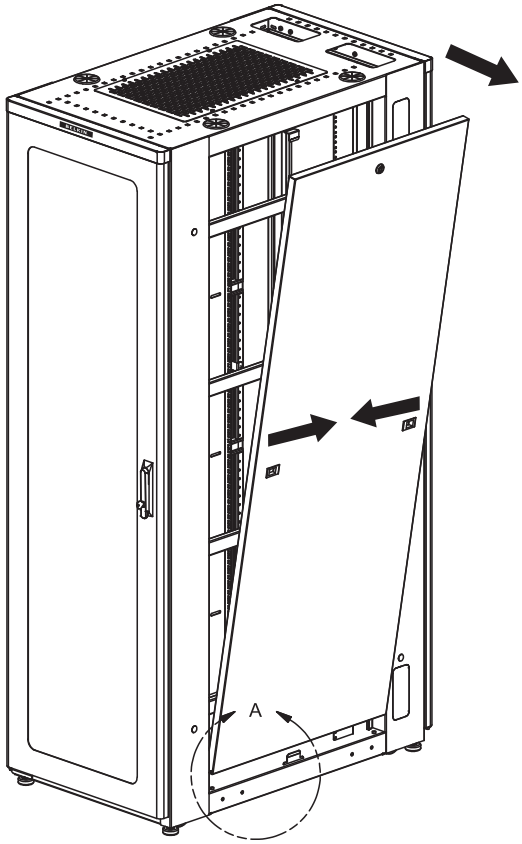
1. Using two or more persons, lay your Enclosure on it's side.
2. Unscrew the levelers
3. Using a 1/2" hex socket, remove the 5/6" nuts holding the casters
4. Return Enclosure to upright position.

Removing and Installing your Side Panels

1. If side panel is locked, please unlock.
2. Slide both latches toward the center of the side panel, and carefully pull side panel toward you.
3. Lift side panel up and remove from Enclosure.
4. To re-install, reverse above steps.

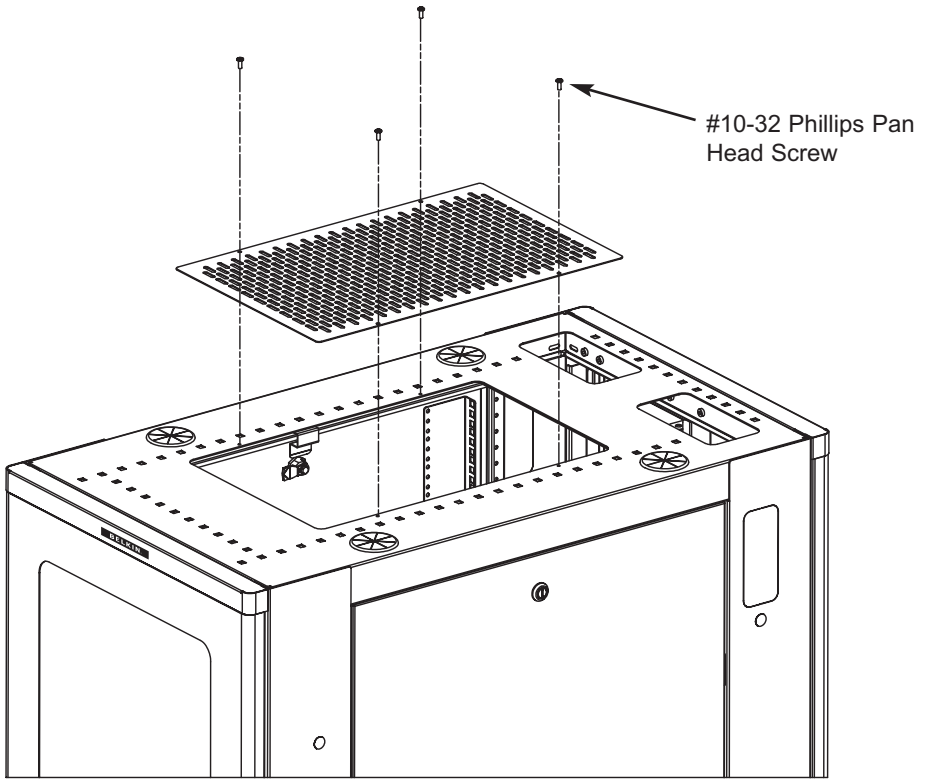






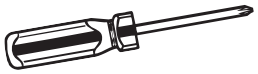
Removing and Installing your Top Panel

The center portion of the top of your Enclosure is attached with four #10-32 Phillips pan head screws. This top panel can be replaced with optional fan tops by removing the four #10-32 screws. Please see chart below.

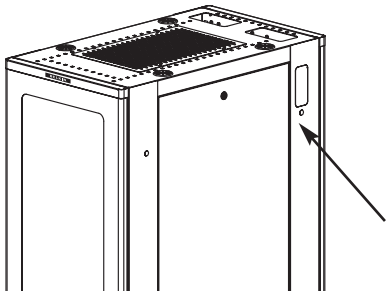


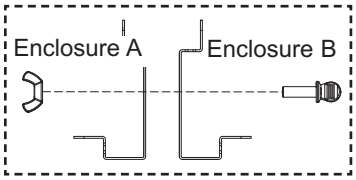
Part Number	Description
RK5003	Perforated top
RK5004	3 muffin fan top, 225 CFM
RK5005	Single 10" fan top, 500 CFM
RK5006	Double 10" fan top, 1100 CFM

Tools required: Phillips Pan
Head Screw Driver



Ganging or Networking your Enclosures

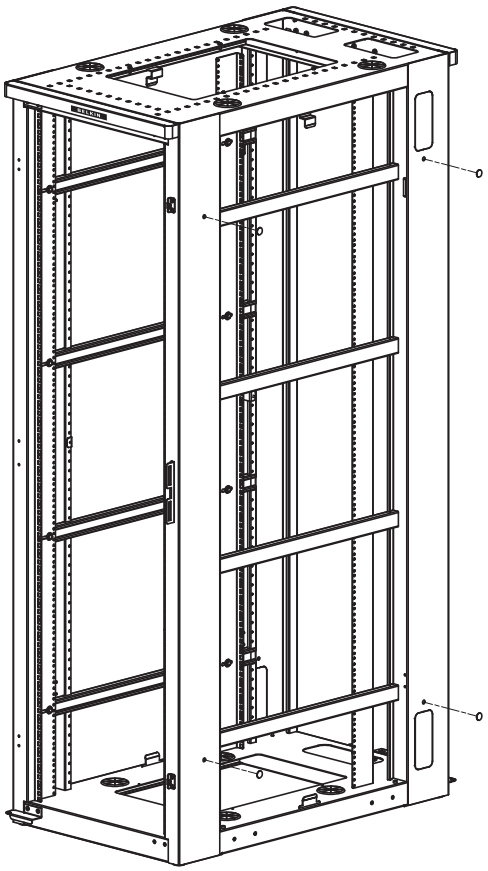


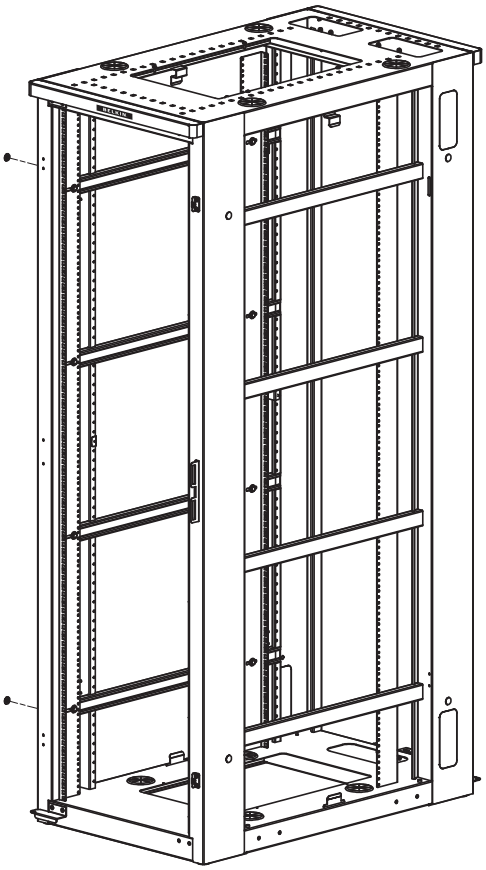


Networking hole
(4 locations)

1. Remove plastic button plugs from enclosure corner posts (4).
2. Remove at least one side panel from adjoining enclosures.
3. Line up enclosures, install baying hardware.

Use Belkin part number RK5008
(optional enclosure baying kit).
No additional tools required.





Reversing your Front Door

1. Open door and reverse handle. See Figure A.
2. Secure door with one hand while you pull down the top hinge pin (Figure B) with the other.
3. Grab door on both sides and lift up to remove door and set it aside.
4. Remove hinge pin brackets using Phillips head screwdriver, turn and reattach hinge pin brackets to opposite corners (Figure C).
5. Remove button plugs by pushing from the back side and retain for reuse.
6. Remove latch bracket and door stops (2) using Phillips head screwdriver while holding lock nut in back. Turn and place bracket and door stops (2) on the opposite side (Figure D).
7. Put push buttons back into holes on opposite side.
8. Rehang door.

NOTE: The best time to reverse the door is prior to installing the equipment. Standard factory door configuration is left-hand hinged.

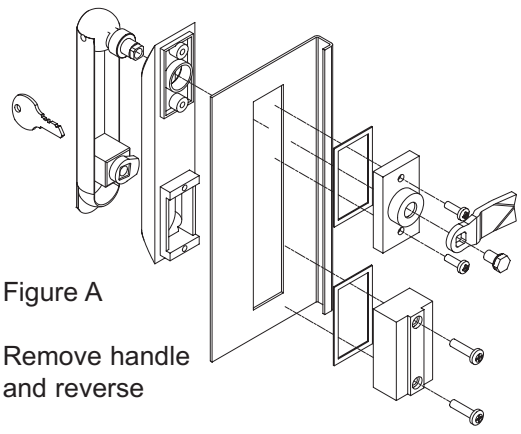
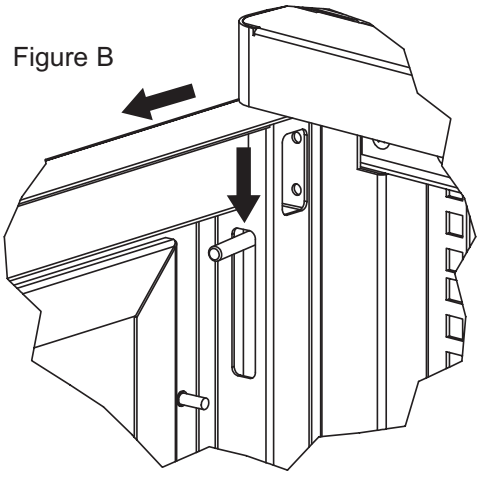


Figure A

Remove handle and reverse

Figure B



Reversing your Front Door

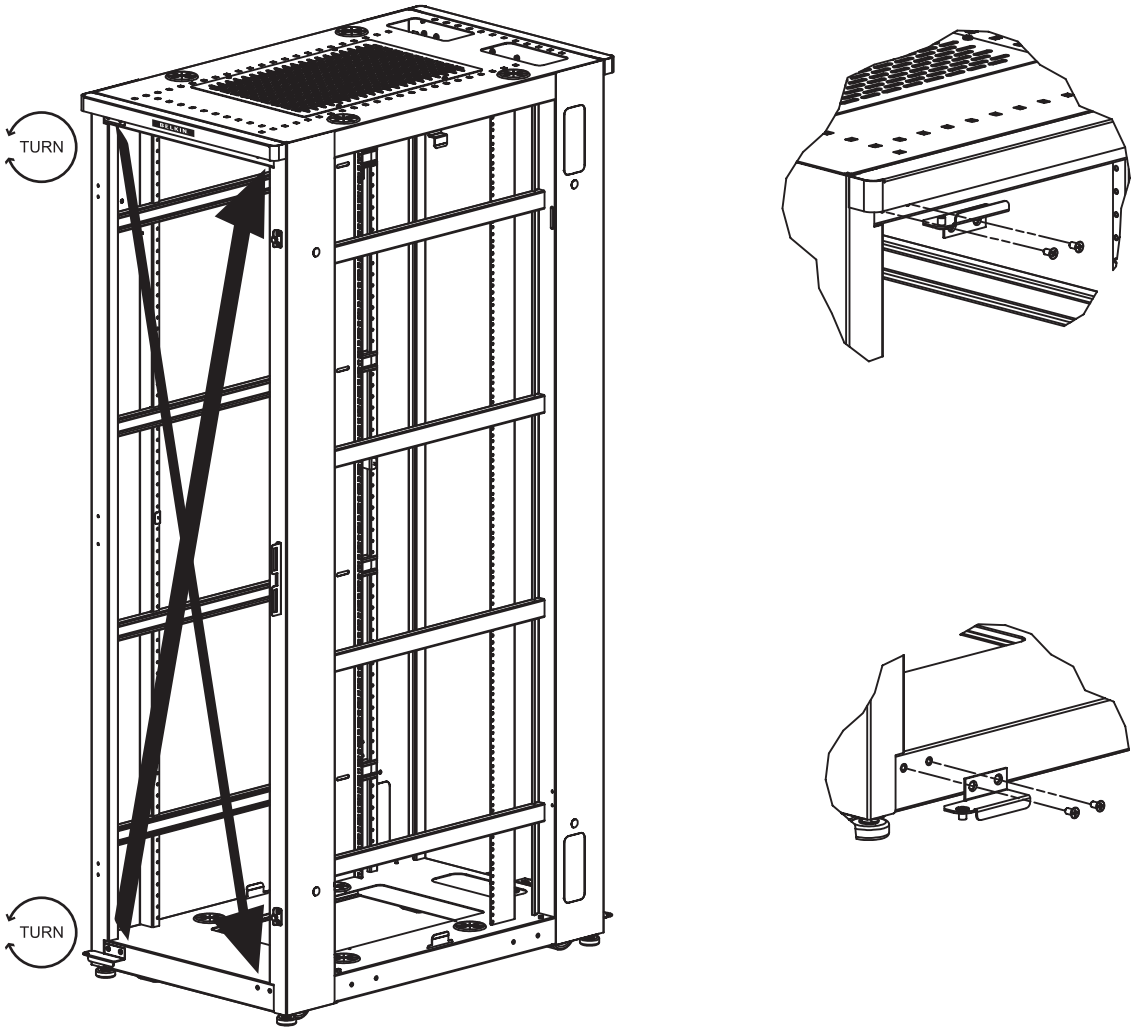
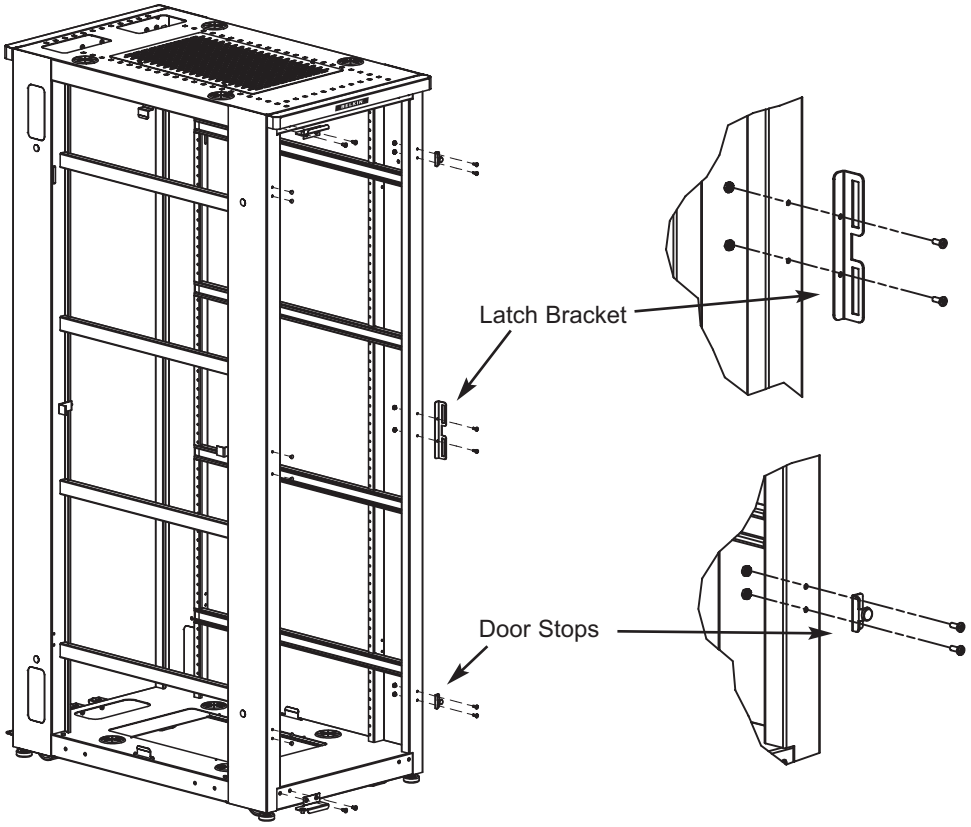


Figure C

Reversing your Front Door



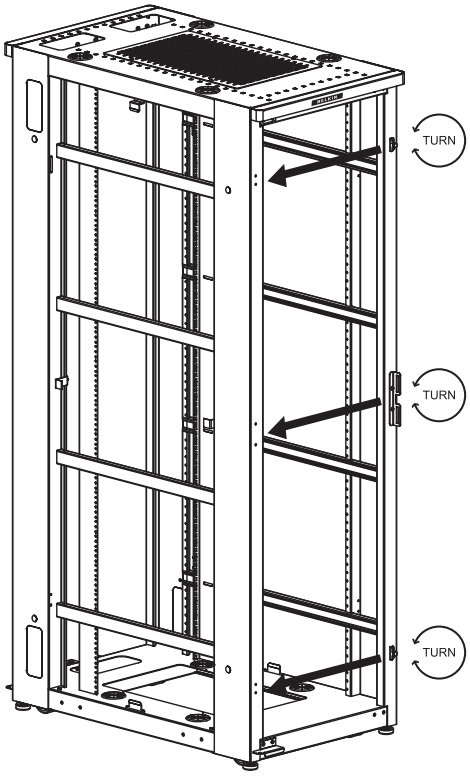


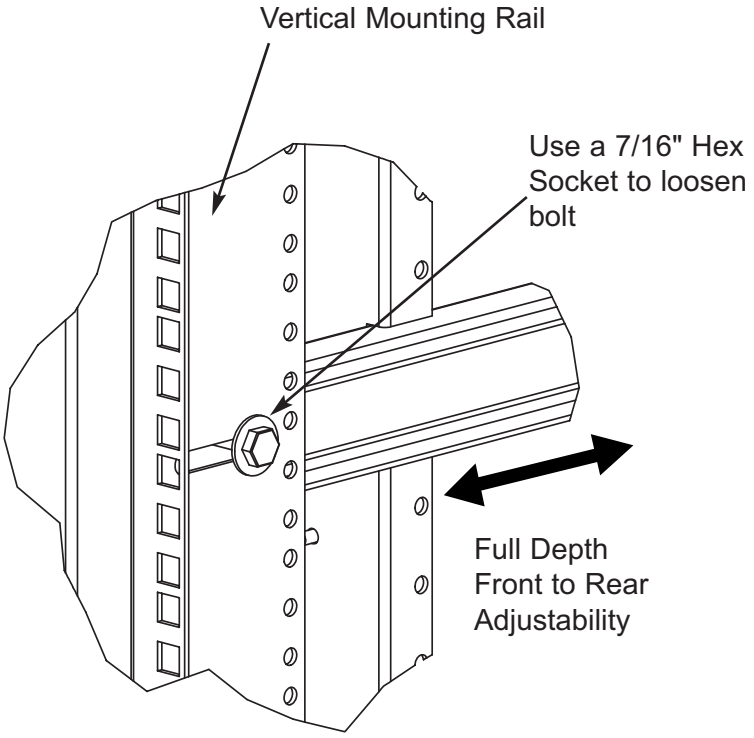
Figure D

Adjusting your Vertical Mounting Rails

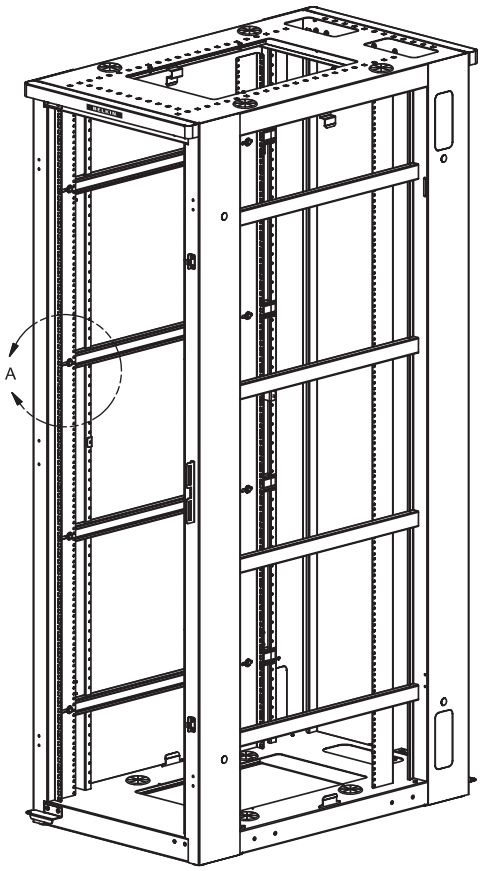
The universal M6 cage nut rails are preset at a 29" depth. This depth allows for the installation of most rack-mountable equipment. Rails are infinitely adjustable front to back.

⚠ The best time to move the rails is before installation of equipment.

To adjust your rails, loosen the rail bolts (4) with a 7/16" hex socket.

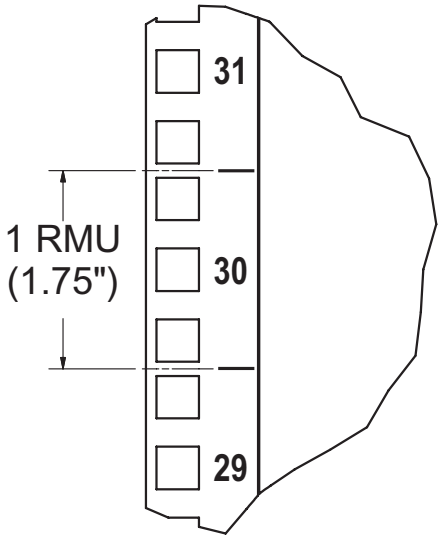


DETAIL A



Installing your Equipment

All Belkin Enclosures conform to the 19" EIA 310-D industry standard.
The vertical mounting rail has 42 Rack-Mount Units (RMU). An (RMU) consists of a 1.75" vertical rack space.



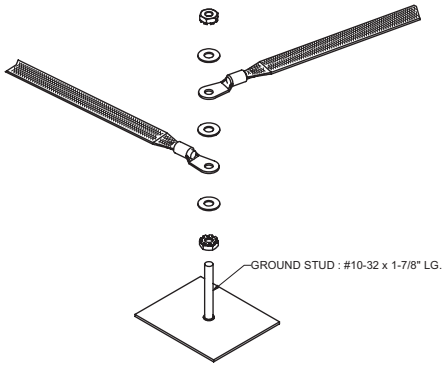
- Load your rack from the bottom up, placing the heaviest components at the lowest position.
- Please follow the individual instructions that are provided with the components you are installing.
- After installation of your equipment, extend only one component at a time.
- For proper air flow, please use filler panels (optional) per component manufacturer recommendations.

Grounding Studs

The ten grounding studs on the Enclosure are located on the doors, side panels, and frame.

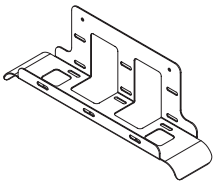
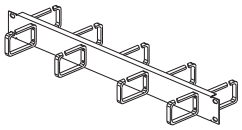
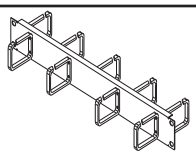
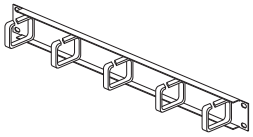
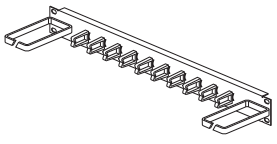
Number of studs	Location
2	Base
2	Front door
4	Rear doors (2 each)
2	Side panels (1 each)

Please refer to part number RK5038 for the optional Belkin enclosure grounding kit.

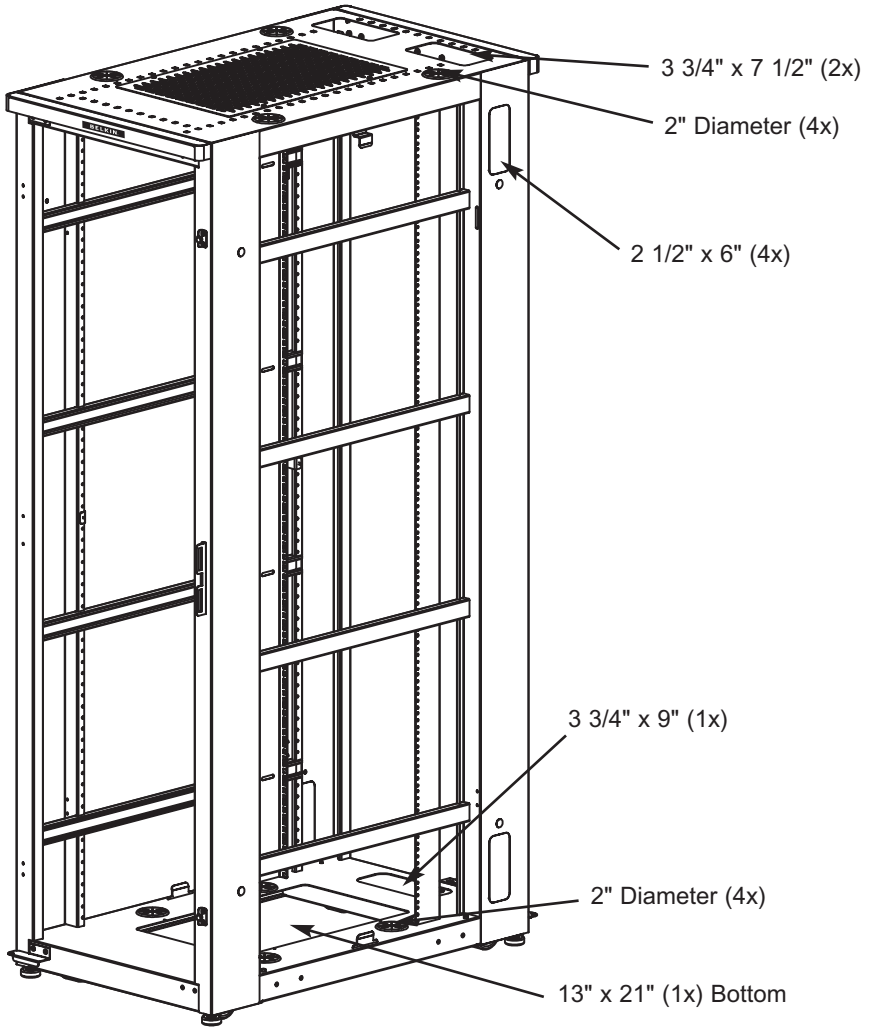


MULTIPLE STRAPS

Cable Management

Part Number	Description	Image
RK5000	Vertical Lacing Bar	
RK5001	Waterfall Cable Manager	
RK5002	Vertical Finger Cable Manager	
RK5012	Double Sided 1U Cable Manager	
RK5013	Double Sided 2U Cable Manager	
RK5016	Single Sided Cable Manager	
RK5017	Low Density Cable Organizer	

Cable Access



- Your Belkin Enclosure provides easy cable access.
- The top has two rectangular and four grommeted access points.
- The rear corner posts have two integrated cable knock-outs.
- These knock-outs can be removed when ganging two or more Enclosures together.
- These knock-outs will still allow you to have cabinet-to-cabinet access with a side panel in place.
- Access through the bottom is achieved through one large center opening, an additional rectangular point in the rear and four grommeted access points.

Specifications

Description	RK1000 RK1001 Measurement	RK1002 Measurement
Height with Casters (Standard)	80.25 in (203.8 cm)	48.75 in (123.8 cm)
Width	24 in (60.96 cm)	24 in (60.96 cm)
Depth	42 in (106.7 cm)	42 in (106.7 cm)
Weight	335 lbs. (152 kg) 275 lbs. w/o sides (124.7 kg)	295 lbs. (133.8 kg)
Shipping Weight	375 lbs. (170.1 kg) 315 lbs. w/o sides (147.9 kg)	335 lbs. (152 kg)
Open Area Front Door	861.8 in^2 (5560 cm^2)	484.8 in^2 (3218 cm^2)
Open Area Rear Door	830.2 in^2 (5356 cm^2)	474.3 in^2 (3060 cm^2)
Open Front Door Area Measured per U	20.5 in^2 (132.3 cm^2)	20.2 in^2 (130.3 cm^2)
Open Rear Door Area Measured per U	19.8 in^2 (127.7 cm^2)	19.7 in^2 (127.1 cm^2)
Wiring Clearance between Vertical Rail & Front Door*	2.5 in (6.35 cm)	2.5 in (6.35 cm)
Static Weight Rating	2200 lbs. (997.9 kg)	2200 lbs. (997.9 kg)
Dynamic Weight Rating	2000 lbs. (907.2 kg)	2000 lbs. (907.2 kg)

* Front rail adjustable for additional clearance

Accessories

Part No.	Description
RK5003	Perforated Top Panel
RK5004	Top Panel with 3 Muffin Fan
RK5005	Top Panel with One 10" 550 CFM Fan
RK5006	Top Panel with Two 10" 1100 CFM Fans
RK5008	Baying kit
RK5009	Pair of Side Panels
RK5010	Mesh Front Door
RK5011	Split Mesh Rear Door
RK5018	26" Deep Sliding Shelf, 110 lb. Capacity
RK5019	32" Deep Sliding Shelf, 110 lb. Capacity
RK5020	29" Deep Sliding Vented Shelf, 250 lb. Capacity
RK5021	28" Deep Front & Rear Mount Stationary Vented Shelf
RK5022	Pivoting Keyboard Tray with Mouse Tray
RK5023	Stationary Shelf - Cantilevered
RK5024	Monitor Shelf & Sliding Keyboard Tray w/Mouse Pad, 220 lb. Capacity
RK5027	Stationary Front Mount Shelf
RK5030	Filler Panel Kit - 2 ea. of 1U/2U/3U
RK5031	1U Filler Panel (set of 2)
RK5032	2U Filler Panel (set of 2)
RK5033	3U Filler Panel (set of 2)
RK5034	Package of 25 M6 Cage Nuts w/Screws
RK5035	Casters, Set of 4, Non-locking
RK5036	Set of Four 2U High Server Brackets
RK5037	Enclosure Blower, 115 Volt, 250 CFM Rating

Please contact your local Belkin representative for ordering information.

Warranty and Service

LIMITED LIFETIME WARRANTY

What this Warranty covers.
Belkin Corporation warrants to the original purchaser of any Belkin enclosure, that the Enclosure shall be free of defects in design, assembly, material, or workmanship.

What the period of coverage is.
Belkin Corporation warrants the Belkin Enclosure for as long as the original purchaser owns it.

What will we do to correct problems?
Enclosure Warranty.
Belkin will repair or replace, at its option, any defective Enclosure free of charge (except for shipping charges for the Enclosure).

What is not covered by this Warranty?
All above warranties are null and void if the Belkin Enclosure is not provided to Belkin Corporation for inspection upon Belkin's request at the sole expense of the purchaser, Belkin Corporation determines that the Belkin Enclosure has been improperly installed, altered in any way or tampered with. The Belkin Enclosure Warranty does not protect against acts of God (other than lightning) such as flood, earthquake, war, vandalism, theft, normal-use wear and tear, erosion, depletion, obsolescence, abuse, damage due to low-voltage disturbances (i.e. brownouts or sags), non-authorized program, or system equipment modification or alteration.

How to get service.
To get service for your Belkin Enclosure you must take the following steps:

1. Contact Belkin Corporation at 501 W. Walnut St., Compton, CA 90220, Attn: Customer Service, or call (800) 223-5546, within 15 days of the Occurrence. Be prepared to provide the following information:
   a. The part number of the Belkin Enclosure.
   b. Where you purchased the Enclosure.
   c. When you purchased the Enclosure.
   d. Copy of original receipt.

2. Your Belkin Customer Service Representative will then instruct you on how to forward your receipt and Belkin Enclosure and how to proceed with your claim.

Belkin Corporation reserves the right to review the damaged Belkin Enclosure. All costs of shipping the Belkin Enclosure to Belkin Corporation for inspection shall be borne solely by the purchaser. If Belkin determines, in its sole discretion, that it is impractical to ship the damaged equipment to Belkin Corporation, Belkin may designate, in its sole discretion, an equipment repair facility to inspect and estimate the cost to repair such equipment. The cost, if any, of shipping the equipment to and from such repair facility and of such estimate shall be borne solely by the purchaser. Damaged equipment must remain available for inspection until the claim is finalized. Whenever claims are settled, Belkin Corporation reserves the right to be subrogated under any existing insurance policies the purchaser may have.

How state law relates to the Warranty.
THIS WARRANTY CONTAINS THE SOLE WARRANTY OF BELKIN CORPORATION, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR, EXCEPT AS REQUIRED BY LAW, IMPLIED, INCLUDING THE IMPLIED WARRANTY OR CONDITION OF QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND SUCH IMPLIED WARRANTIES, IF ANY, ARE LIMITED IN DURATION TO THE TERM OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

IN NO EVENT SHALL BELKIN CORPORATION BE LIABLE FOR INCIDENTAL, SPECIAL, DIRECT, INDIRECT, CONSEQUENTIAL OR MULTIPLE DAMAGES SUCH AS, BUT NOT LIMITED TO, LOST BUSINESS OR PROFITS ARISING OUT OF THE SALE OR USE OF ANY BELKIN ENCLOSURE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. This Warranty gives you specific legal rights, and you may also have other rights, which may vary from state to state. Some states do not allow the exclusion or limitation of incidental, consequential, or other damages, so the above limitations may not apply to you.

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